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Product datasheet for SC311330

PXDN (NM_012293) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXDN (NM_012293) Human Untagged Clone
Tag:	Tag Free
Symbol:	PXDN
Synonyms:	ASGD7; COPOA; D2S448; D2S448E; MG50; PRG2; PXN; VPO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311330 representing NM_012293. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAAGCGCTCCAGGGGCCCCGGGCGCCGCTGCCTGTTGGCGCTCGTGCTGTTCTGCGCCTGGGGG
ACGCTGGCCGTGGTGGCCCAGAAGCCGGGCGCAGGGTGTCCGAGCCGCTGCCTGTGCTTCCGCACCACC
GTGCGCTGCATGCATCTGCTGCTGGAGGCCGTGCCCGCCGTGGCGCCGCAGACCTCCATCCTAGATCTT
CGCTTTAACAGAATCAGAGAGATCCAACCTGGGGCATTCAGGCGGCTGAGGAACTTGAACACATTGCTT
CTCAATAATAATCAGATCAAGAGGATACCTAGTGGAGCATTTGAAGACTTGGAAAATTTAAAATATCTC
TATCTGTACAAGAATGAGATCCAGTCAATTGACAGGCAAGCATTTAAGGGACTTGCCTCTCTAGAGCAA
CTATACCTGCACTTTAATCAGATAGAAACTTTGGACCCAGATTCGTTCCAGCATCTCCCGAAGCTCGAG
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GACGCAGATGTGACCTCGGGGAACACCGTGTACTTCACCTGCAGAGCCGAAGGCAACCCCAAGCCTGAG
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CCGCCCGTCATCGCCTGGACCAAGGGAGGGAGCCAGCTCTCCGTGGACCGGCGGCACCTGGTCCTGTCA
TCGGGAACACTTAGAATCTCTGGTGTTGCCCTCCACGACCAGGGCCAGTACGAATGCCAGGCTGTCAAC

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ATCATCGGCTCCCAGAAGGTCGTGGCCCACCTGACTGTGCAGCCCAGAGTCACCCCAGTGTTTGCCAGC
ATTCCCAGCGACACAACAGTGGAGGTGGGCGCCAATGTGCAGCTCCCGTGCAGCTCCCAGGGCGAGCCC
GAGCCAGCCATCACCTGGAACAAGGATGGGGTTCAGGTGACAGAAAGTGGAAAATTTCACATCAGCCCT
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ACCATCTACTATGAGACCAGGAAGATCGTGGGTGCGGAGATCCAGCACATCACCTACCAGCACTGGCTC
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TACCGGCTGGACGAGAACTTCCAGCCCATTGCACAAGATCACCTCCCCCTTCACAAAGCTTTCTTCTCT
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CTGCGAGATGGGGACAGGTTGTGGTATGAGAACCCTGGGGTGTTCTCCCCGGCCCAGCTGACTCAGATC
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TGGCAGGACTGCTGTGAAGACTGTAGGACCAGGGGGCAGTTCAATGCCTTTTCCTATCATTTCCGAGGC
AGACGGTCTCTTGAGTTCAGCTACCAGGAGGACAAGCCGACCAAGAAAACAAGACCACGGAAAATACCC
AGTGTTGGGAGACAGGGGGAACATCTCAGCAACAGCACCTCAGCCTTCAGCACACGCTCAGATGCATCT
GGGACAAATGACTTCAGAGAGTTTGTTCTGGAAATGCAGAAGACCATCACAGACCTCAGAACACAGATA
AAGAAACTTGAATCACGGCTCAGTACCACAGAGTGCGTGGATGCCGGGGGCGAATCTCACGCCAACAAC
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GCTTGCCCCCCTGCCACCTGTGCTGTCCCCGTGAACATCCCAGGGGCCTGCTGTCCAGTCTGCTTACAG
AAGAGGGCGGAGGAAAAGCCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_012293

Insert Size: 4440 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_012293.2
RefSeq Size:	6863 bp
RefSeq ORF:	4440 bp
Locus ID:	7837
UniProt ID:	Q92626
Cytogenetics:	2p25.3
Protein Families:	Druggable Genome, Transmembrane
MW:	165.3 kDa
Gene Summary:	This gene encodes a heme-containing peroxidase that is secreted into the extracellular matrix. It is involved in extracellular matrix formation, and may function in the physiological and pathological fibrogenic response in fibrotic kidney. Mutations in this gene cause corneal opacification and other ocular anomalies, and also microphthalmia and anterior segment dysgenesis. [provided by RefSeq, Aug 2014]